

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS**
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.***SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM92160
2. Name of Operator CIMAREX ENERGY COMPANY OF CO		6. If Indian, Allottee or Tribe Name
Contact: TERRI STATHEM E-Mail: tstatthem@cimarex.com		7. If Unit or CA/Agreement, Name and/or No. NMNM120212
3a. Address 600 NORTH MARIENFELD STREET SUITE 600 MIDLAND, TX 79701	3b. Phone No. (include area code) Ph: 432-620-1936	8. Well Name and No. TRINITY 20 FEDERAL COM 1
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 20 T25S R26E NWSE 1980FSL 1580FEL		9. API Well No. 30-015-34521-00-S1
		10. Field and Pool, or Exploratory COTTONWOOD DRAW
		11. County or Parish, and State EDDY COUNTY, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input checked="" type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Cimarex respectfully requests approval to plug back the Trinity 20 Federal Com #1 well and dual complete as a Cisco Canyon and Wolfcamp producer according to the following procedure:

Well History:

7/10/14 RIH w/ CIBP & set At 11525'. Tag plug. Spot 3 sx cmt on top w/ dump bailer. SD.
7/11/14 Tried to press test, would not press up. SD.
7/14/14 RIH w/ pkr & tbg. Test to 8000#. 15 mins - ok. SEt pkr @ 11471' - tbg capacity = 44.3 bbls, pumped 50 bbls. Tag CIBP @ 11525', no cmt. Set pkr @ 11450' held 2000# for 5 mins. Move pkr down to 11506' held 200# for mins. SD.
7/15/14 RIH w/ CIBP & tag first CIBP @ 11525'. Set CIBP 11506'. Press test csg to 2100# for 15 mins. OK. Tag CIBP. Dump 35' cmt w/ dump bailer. SD.
7/16/14 Tested csg to 1950# for 5 mins, pressure drop to 1850# held for 10 mins. Tested to 5000#

Accepted for record

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #254328 verified by the BLM Well Information System
For CIMAREX ENERGY COMPANY OF CO, sent to the Carlsbad
Committed to AFMSS for processing by ED FERNANDEZ on 07/23/2014 (14EF0082SE)

Name (Printed/Typed) TERRI STATHEM	Title COORDINATOR REGULATORY COMPLIA
Signature (Electronic Submission)	Date 07/23/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By EDWARD FERNANDEZ	Title PETROLEUM ENGINEER	Date 07/23/2014
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Approved as written

General COA requirements from Sundry dated 5/28/2014 and approved on 7/22/2014 still apply for Plugging back operations.

Subsequent sundry required detailing work done and completion report for the new formation. Operator to include well bore schematic with Tubing and Packer of current well condition when work is complete.

Office Carlsbad

knowingly and willfully to make to any department or agency of the United States jurisdiction.

ED ** BLM REVISED ** BLM REVISED **

Additional data for EC transaction #254328 that would not fit on the form

32. Additional remarks, continued

for 5 mins. SI and lost 80# in 5 mins. SD.

7/17/14 Press test csg to 8075# loss of 349# in 5 mins. SD

7/18/14 RIH and tag CBP @ 11509'. no cmt. SD waiting on orders.

Path forward:

1. set a 15K CBP @ +/- 10375'. Tag CBP to confirm depth. Dump bail 35' cmt (3 sx) on top of CBP.
2. Allow cmt to set overnight, then RIH to tag TOC @ 10700'.
3. Perform casing integrity test, pressuring up to 8000 psi (max treating pressure).
4. Perforate Cisco Canyon (10124 - 10387'). Acidize & frac Cisco Canyon perms w/ 5000 gals acid, 211000 gals slickwater, 100000 gals linear gel, 100000# 100 mesh sand and 200000# 40/70 sand in 2 stages, setting a CBP above 2nd stg perms and in between 1st and 2nd stg perms.
5. Perforate Wolfcamp (9114-9938'). Acidize & frac Wolfcamp perms w/ 7500 gals acid, 732374 gals slickwater, 362500 gals linear gel, 375000# 100 mesh sand and 725000# 40/70 sand in 3 stages, setting a CBP in between each stage.
6. Drill out the 4 CBPs w/ coil tubing. Flow well back 24 hours to clean up sand production.
7. Run in gauge ring to clean out wellbore to PBTD @ +/- 10700'.
8. Run in with pkr & tubing string, setting pkr @ +/- 10090'.
9. Put well on production, producing the Wolfcamp zone up the casing and the Cisco Canyon zone up the tubing. Produce the well for 2-3 months, until stabilized production established.
10. Obtain a gas analysis from each zone, and any other additional data required per BLM. Upon successfully producing each zone independently and gathering all necessary data, submit request to State and Fed DHC production. Upon approval request to DHC and procedure will be submitted for approval.

Please note: Correct Morrow are @ 11551-11577'. Production casing ran = 4-1/2", 11.6#, P-110 set @ 12280'. Previous reports indicate otherwise.

*will Surface Commingle Request be Submitted?
LRA/7/31/2014*



PROPOSED

KB : 19' above GL

Cimarex Energy Co. of Colorado

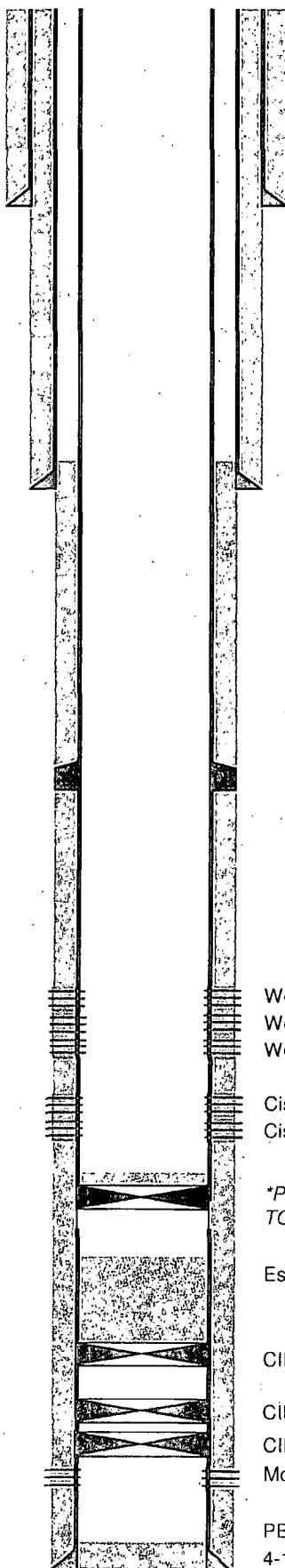
Trinity 20 Federal Com #1

1980' FSL & 1580' FEL

Sec. 20, T-25-S, R-26-E, Eddy Co., NM

H. Hubbard

07/23/2014



13-3/8", 48# H-40 csg @ 310'
cmtd w/ 340 sx, cmt circ

TOC @ 2620' by CBL
9-5/8", 40# J-55 csg @ 2665'
cmtd w/ 830 sx, cmt circ

DV Tool @ 7893'
cmtd w/ 1135 sx

Wolfcamp perms (9114' - 9469') *PROPOSED*
Wolfcamp perms (9516' - 9714') *PROPOSED*
Wolfcamp perms (9767' - 9938') *PROPOSED*

Cisco Canyon perms (10124' - 10241') *PROPOSED*
Cisco Canyon perms (10263' - 10387') *PROPOSED*

**PROPOSED CIBP @ ± 10,735' w/ 35' cmt on top (estimated TOC @ ± 10,700')*

Estimated TOC ~10,956'. (Min req by BLM = 11,082')

CIBP @ 11,451' w/ 40 sx cmt on top (BLM reqmt)

CIBP @ 11,509' (no cmt)

CIBP @ 11,525' (no cmt)

Morrow perms (11551' - 11577')

PBTD @ 12230'

4-1/2" 11.6# P-110 @ 12280' cmtd w/ 1115 sx

TD @ 12280'